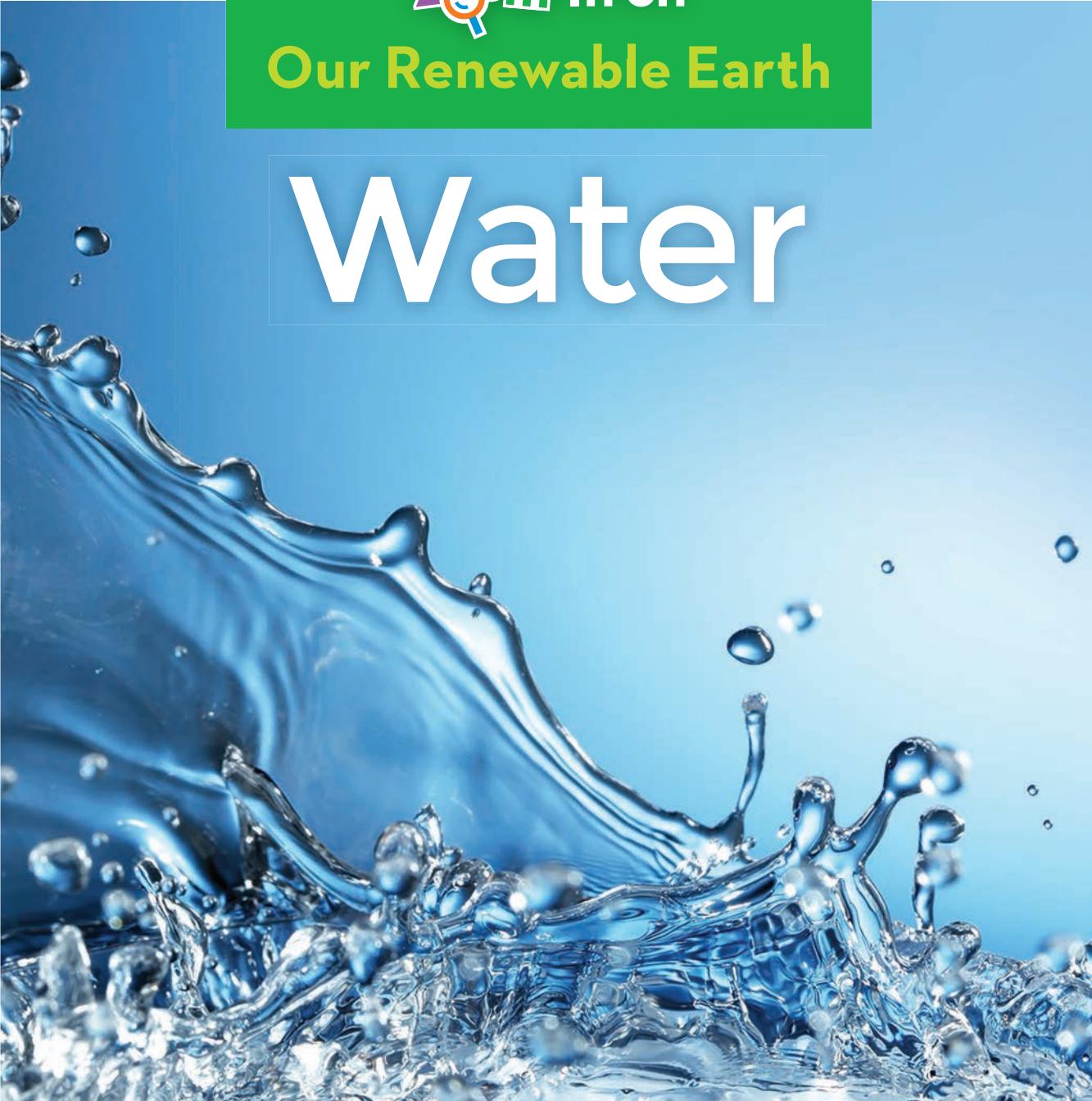




Our Renewable Earth

Water



Andrea Rivera

Zoom In on
Our Renewable Earth

Water



Andrea Rivera

abdopublishing.com

Published by Abdo Zoom™, PO Box 398166, Minneapolis, Minnesota 55439. Copyright © 2017 by Abdo Consulting Group, Inc. International copyrights reserved in all countries. No part of this book may be reproduced in any form without written permission from the publisher. Abdo Zoom™ is a trademark and logo of Abdo Consulting Group, Inc.

Printed in the United States of America, North Mankato, Minnesota
102016
012017



**THIS BOOK CONTAINS
RECYCLED MATERIALS**

Cover Photo: Chepko Danil Vitalevich/Shutterstock Images
Interior Photos: Chepko Danil Vitalevich/Shutterstock Images, 1;
Borut Trdina/iStockphoto, 4-5; Valentyn Volkov/Shutterstock Images, 5;
Fabbio Lamanna/iStockphoto, 6-7; iStockphoto, 8-9, 17; Shutterstock Images, 10, 12, 15, 18;
Helen Hotson/Shutterstock Images, 11; Robert Kneschke/Shutterstock Images, 13;
Chamille White/Shutterstock Images, 14; Anibal Trejo/Shutterstock Images, 16;
Jordi Pratt Puig/Shutterstock Images, 19; Martin Wahlborg/iStockphoto, 21

Editor: Emily Temple
Series Designer: Madeline Berger
Art Direction: Dorothy Toth

Publisher's Cataloging-in-Publication Data

Names: Rivera, Andrea, author.

Title: Water / by Andrea Rivera.

Description: Minneapolis, MN : Abdo Zoom, 2017. | Series: Our renewable Earth | Includes bibliographical references and index.

Identifiers: LCCN 2016948928 | ISBN 9781680799422 (lib. bdg.) |

ISBN 9781624025280 (ebook) | ISBN 9781624025846 (Read-to-me ebook)

Subjects: LCSH: Water conservation--Juvenile literature. | Conservation of natural resources--Juvenile literature. | Renewable energy sources--Juvenile literature.

Classification: DDC 333.91--dc23

LC record available at <http://lccn.loc.gov/2016948928>

Table of Contents

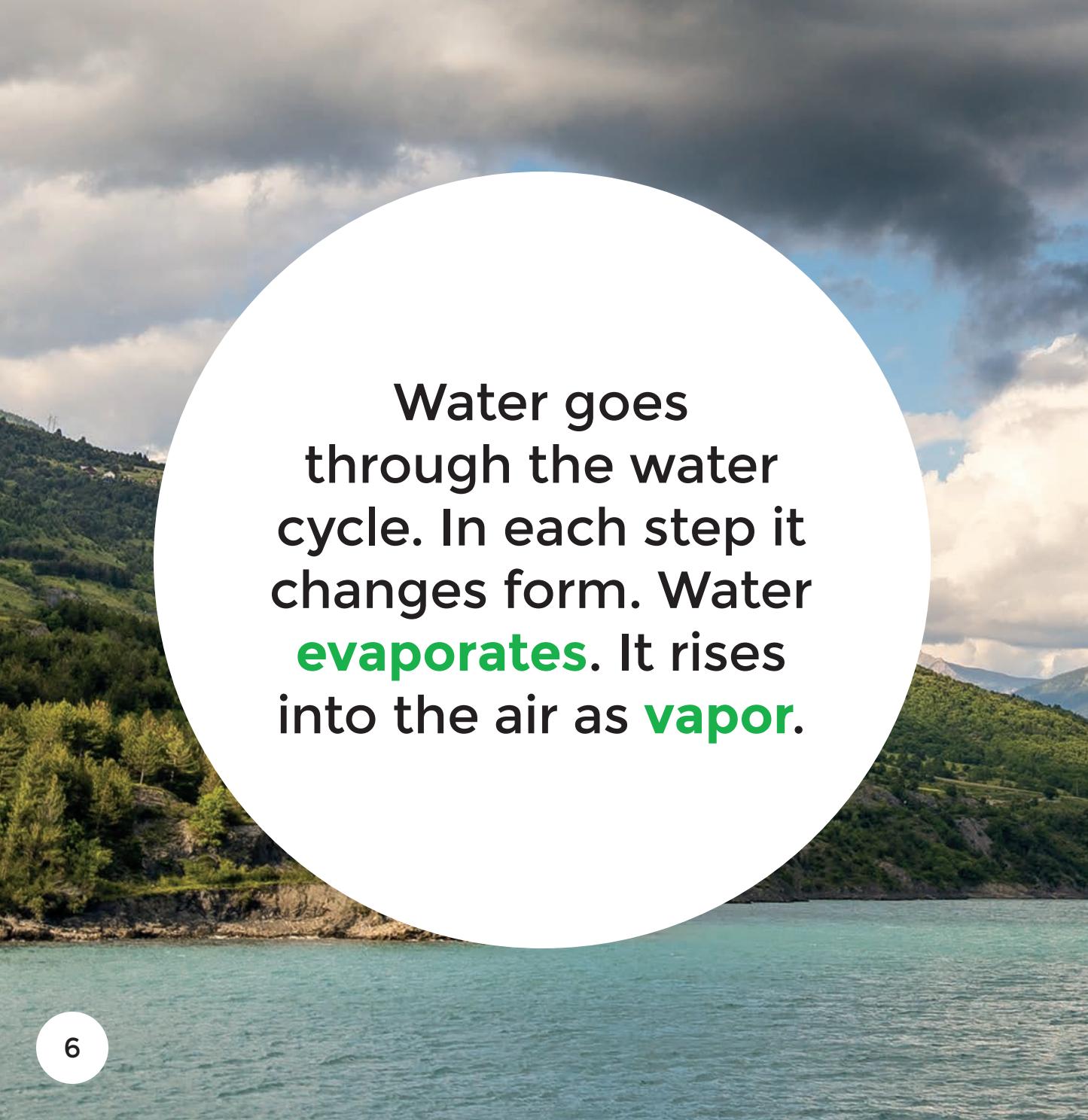
Science	4
Technology.....	8
Engineering	12
Art	16
Math	18
Key Stats.....	20
Glossary	22
Booklinks	23
Index	24

Science

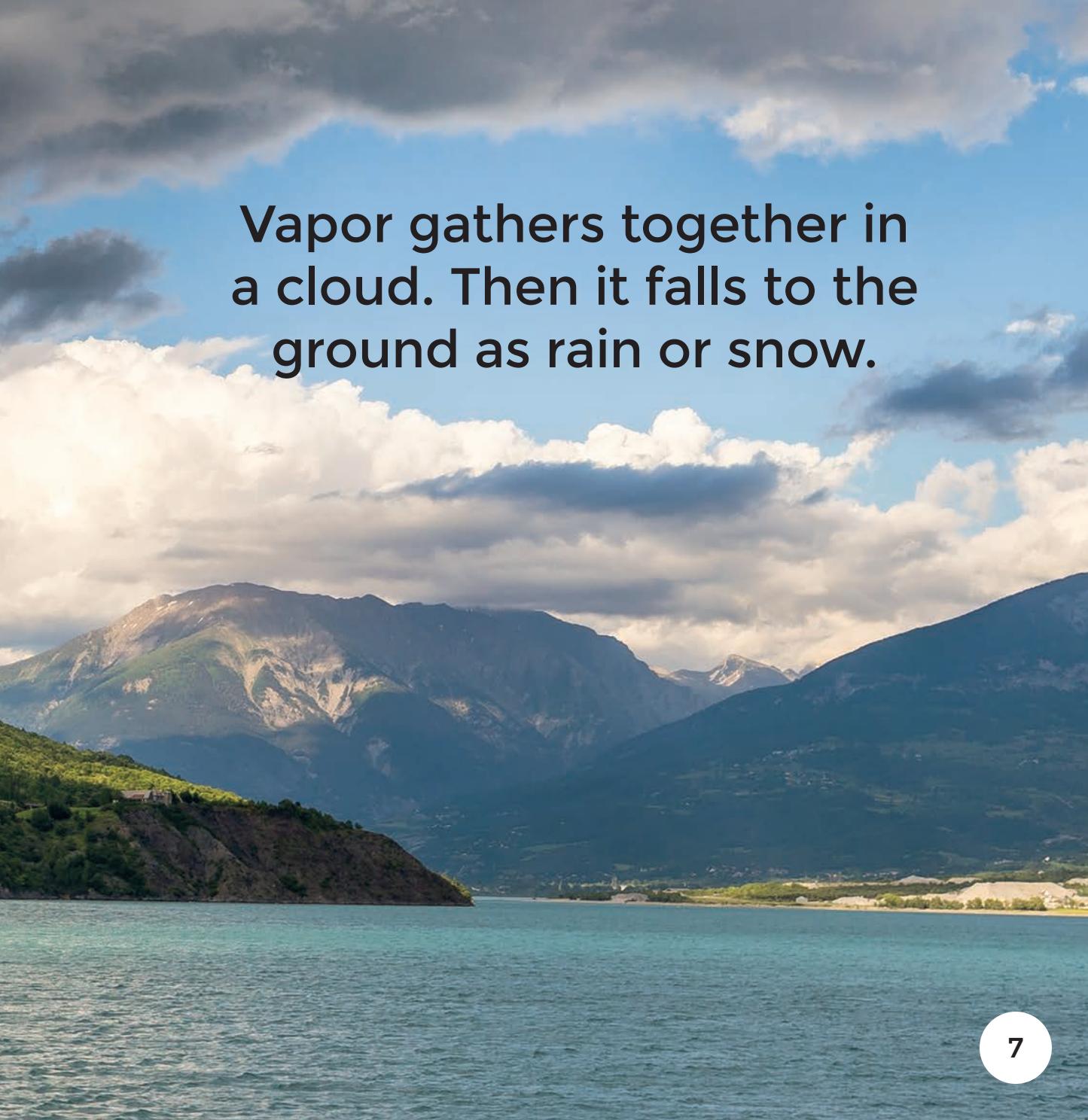
Water covers much of Earth's surface. Plants and animals need water to survive.

Water can be a solid,
liquid, or gas.





Water goes through the water cycle. In each step it changes form. Water **evaporates**. It rises into the air as **vapor**.

A scenic landscape featuring a large, calm lake in the foreground. In the middle ground, a range of mountains with dark, rocky peaks rises, partially obscured by white and grey clouds. The sky above is a mix of these clouds and patches of bright blue. The overall scene is peaceful and natural.

**Vapor gathers together in
a cloud. Then it falls to the
ground as rain or snow.**

Technology



Heating water changes it into a gas. It becomes steam.



Steam can be used
to power an **engine**.

The steam spins a **turbine**.
This makes power.





**Steam engines can power
boats and trains.**

Engineering



Most water is
deep underground.

Plants soak up
some of this
water. Some
seeps out to
rivers or lakes.





The rest is stored in **aquifers**. This water can be pumped from wells.



**It comes to the surface
where it can be used.**

Art

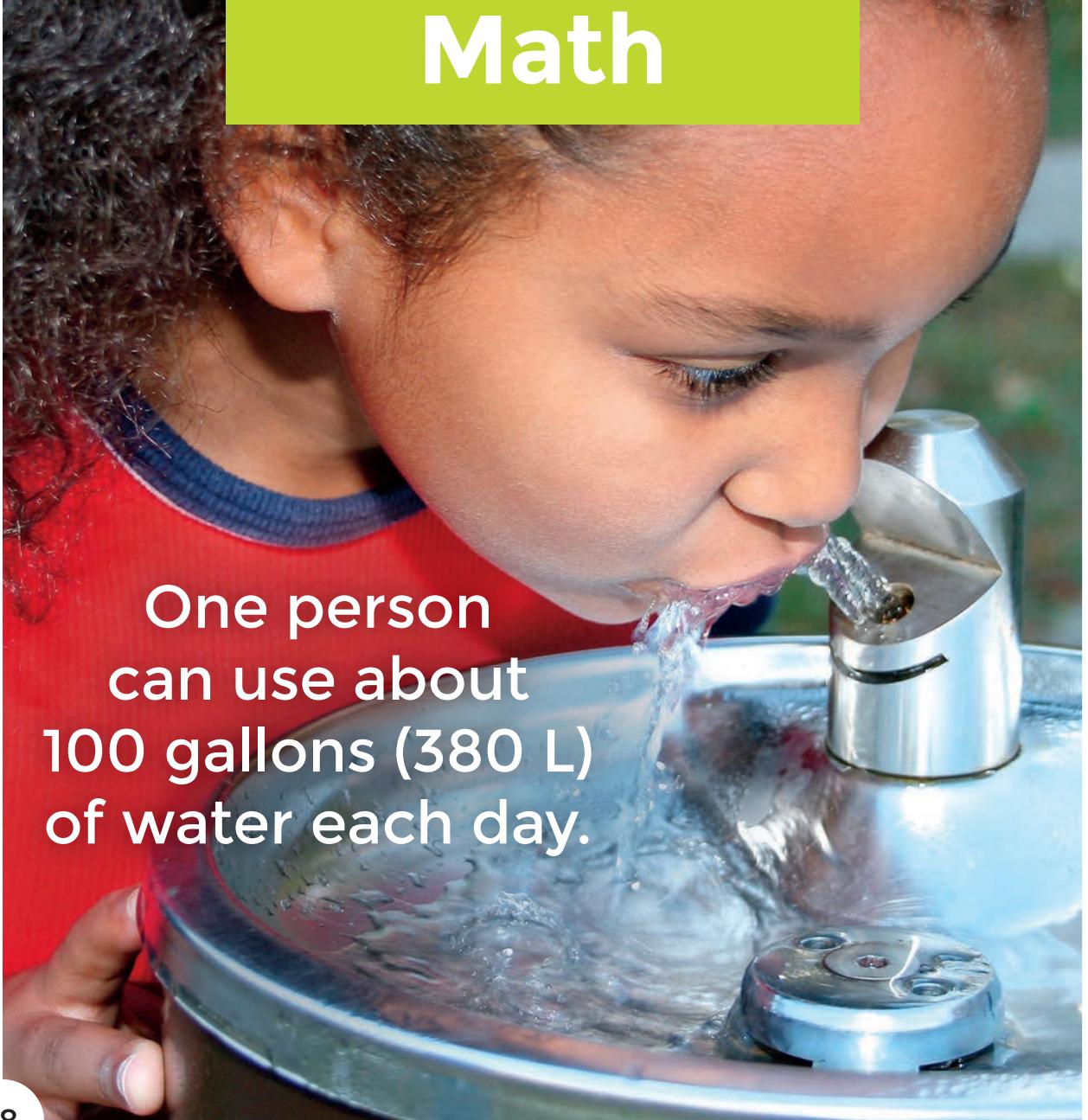


Fountains shoot
water into the air.

Some have **sculptures**.
Others have colored lights.
A few fountains play music, too.



Math

A close-up photograph of a young child with dark hair and a red shirt, drinking water from a public water fountain. The child is leaning over the fountain, with their mouth at the spout. Water is flowing from the spout and splashing into the circular metal basin below. The background is blurred, showing some greenery.

One person
can use about
100 gallons (380 L)
of water each day.



That is 700 gallons (2,650 L) each week. Each minute of a shower uses about five gallons (19 L) of water.



- About two-thirds of a person's body is made of water.
- There are two kinds of water in the water cycle: saltwater and freshwater. Saltwater is in oceans.
- Only three percent of water on Earth is freshwater. Most rivers, streams, and lakes contain freshwater.
- There is 100 times more water underground than there is in all of Earth's lakes and rivers combined.



Glossary

aquifer - a layer of rock or sand that holds water.

engine - a machine that creates energy to make something work.

evaporates - changes from a liquid into a gas.

sculpture - an art form that is 3-D (not flat), like a statue.

turbine - an engine that includes blades. Air, steam, or water moves the blades.

vapor - water in gas form.

Booklinks

For more information
on **water**, please visit
booklinks.abdopublishing.com



Zoom In on STEAM!

Learn even more with the Abdo Zoom
STEAM database. Check out
abdozoom.com for more information.

Index

animals, 4

Earth, 4, 6

fountains, 16, 17

gas, 5, 8

liquid, 5

plants, 4, 13

power, 9, 10, 11

shower, 19

solid, 5

steam, 8, 9, 10, 11

water cycle, 6

wells, 14

Zoom™ In on
Our Renewable Earth
Books in this series

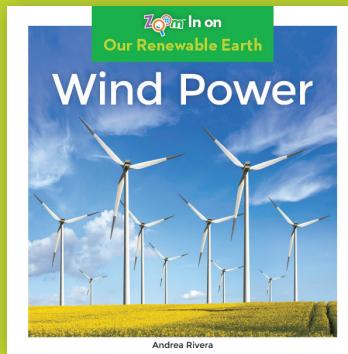
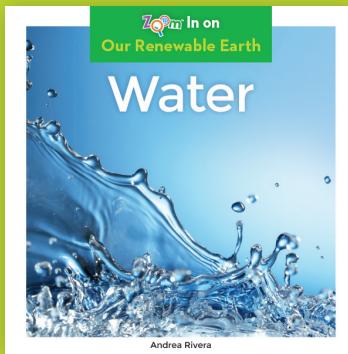
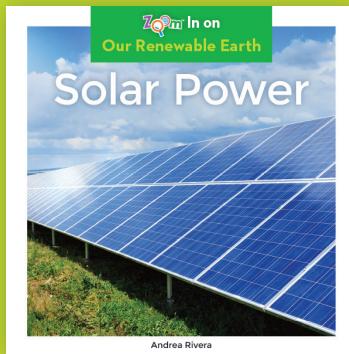
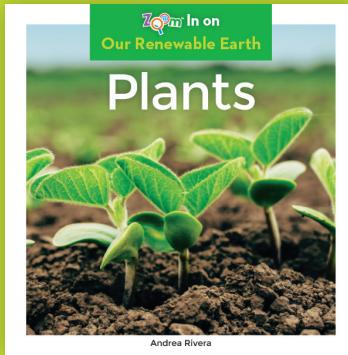
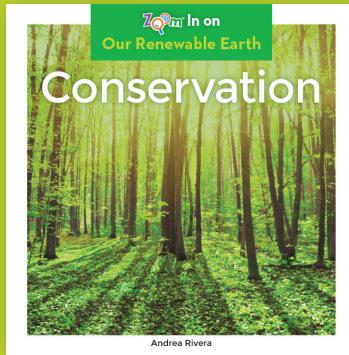


D

RIVERA

Water

ABDO



Zoom™ In on STEAM!

POWERED BY ABDO DIGITAL

SCAN THIS CODE NOW!
to instantly access [abdozoom.com!](http://abdozoom.com/)

Scanning QR codes requires a web-enabled smart device with a camera and a QR code reader app.

ISBN 978-1-68079-942-2



9 781680 799422